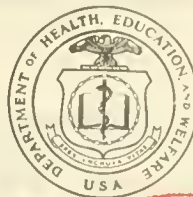


## COMMUNICABLE DISEASE CENTER

Morbidity  
and Mortality

Vol. 15, No. 36

WEEKLY  
REPORTWeek Ending  
September 10, 1966

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE

CURRENT TRENDS  
ENCEPHALITIS

## St. Louis Encephalitis - Dallas, Texas

A total of 92 cases of clinical encephalitis with confirmatory or presumptive laboratory evidence of St. Louis encephalitis (SLE) infection and 61 suspect cases with inconclusive or pending data have been reported from Dallas through September 12, 1966. There have been 13 deaths. In addition, 26 cases of clinically diagnosed aseptic meningitis or febrile headache have presumptive laboratory evidence for SLE virus infection. The criteria for the confirmed category is a fourfold increase in CF antibody titer, and for the presumptive, a CF or HI antibody titer of 1:10 or greater.

## Current Trends

Encephalitis - Texas and Ohio	309
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Bat Rabies - January 1953 - June 1966	311

Aerospraying Dallas County with Malathion was completed between August 19 and 27. As of September 12, there were only two cases of clinical encephalitis with dates of onset more than 14 days after spraying in the residential areas.

(Reported by Dr. Von C. Tipton, State Epidemiologist,  
(Continued on page 310))

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
(Cumulative totals include revised and delayed reports through previous weeks)

DISEASE	36th WEEK ENDED		MEDIAN 1961-1965	CUMULATIVE, FIRST 36 WEEKS		
	SEPTEMBER 10, 1966	SEPTEMBER 11, 1965		1966	1965	MEDIAN 1961-1965
Aseptic meningitis	139	55	55	1,740	1,270	1,280
Brucellosis	1	8	9	157	173	291
Diphtheria	7	8	6	127	108	179
Encephalitis, primary:						
Arthropod-borne & unspecified	69	49	---	1,345	1,176	---
Encephalitis, post-infectious	12	4	---	582	534	---
Hepatitis, serum	14	495	682	945	23,518	30,396
Hepatitis, infectious	437			22,152		
Measles (rubeola)	410	450	664	189,083	239,590	386,328
Poliomyelitis, Total (including unspecified)	4	2	12	69	44	249
Paralytic	4	2	11	65	37	213
Nonparalytic	—	—	---	—	6	---
Meningococcal infections, Total	25	17	25	2,697	2,291	1,745
Civilian	25	17	---	2,425	2,110	---
Military	—	—	---	272	181	---
Rubella (German measles)	156	---	---	41,497	---	---
Streptococcal sore throat & Scarlet fever	3,747	4,371	3,085	305,914	284,579	247,743
Tetanus	6	5	---	120	187	---
Tularemia	—	3	---	114	178	---
Typhoid fever	6	6	14	252	281	338
Typhus, tick-borne (Rky. Mt. Spotted fever)	12	6	---	196	217	---
Rabies in Animals	59	63	63	2,965	3,161	2,781

## NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	4	Botulism:	4
Leptospirosis:	48	Trichinosis:	73
Malaria: Mass.-1, NY Ups.-1, Mich.-2, N.C.-3, Va.-1, Wash.-1	242	Rabies in Man:	1
Psittacosis: Calif.-1, Tex.-1	33	Rubella, Congenital Syndrome:	20
Typhus, murine: Mass.-1, Okla.-1, Tex.-1	19	Plague:	4

## ENCEPHALITIS - (Continued from front page)

*Texas State Department of Health; Dr. Hal J. Dewlett, Director, Dallas City Health Department; and a team from CDC.)*

**St. Louis Encephalitis - Corpus Christi, Texas**

A total of 89 patients with clinical encephalitis has been reported from Corpus Christi through September 11, 1966. Of these, 55 have confirmatory or presumptive evidence of infection with St. Louis encephalitis, 27 require additional laboratory study and 7 are apparently unrelated to SLE. There have been five deaths. Aerospraying with Malathion was completed on August 30.

*(Reported by Dr. Van C. Tipton, State Epidemiologist, Texas State Department of Health; Dr. William R. Metzger,*

*Director of Public Health and Welfare, Corpus Christi-Nueces County Health Department; and a team from CDC.)*

**California Encephalitis - Ohio**

A total of 11 cases of encephalitis with laboratory evidence of infection with California virus has been reported from Ohio since July 14, 1966. Ages of these patients were between 21 months and 14 years. All lived in either semi-rural areas or on the fringes of urban areas. The 11 cases resided in 10 different counties. There have been no fatalities.

*(Reported by Dr. Calvin B. Spencer, Acting State Epidemiologist, Ohio Department of Health.)*

## POLIOMYELITIS OUTBREAK - Texas

To date in 1966 a total of 65 cases of paralytic poliomyelitis has been reported in the United States. Of these, 53 (including one delayed report) are from the State of Texas; 9 in this total have been reported since the week ending August 13 (MMWR, Vol. 15, No. 32).

Cases have been reported from 22 counties in Texas (Figure 1) which have a combined population of approximately 1.9 million. There were 3 cases with onset in January, 4 in April, 11 in May, 12 in June, 16 in July, and 7 in August. The onset date for the latest case reported was August 23. The seven cases with onsets in August lived in five counties scattered in south central Texas: Bexar-2, Gonzales-1, McLennan-1, Nueces-2, Runnels-1. In past years, outbreaks of poliomyelitis in Texas have waned in September.

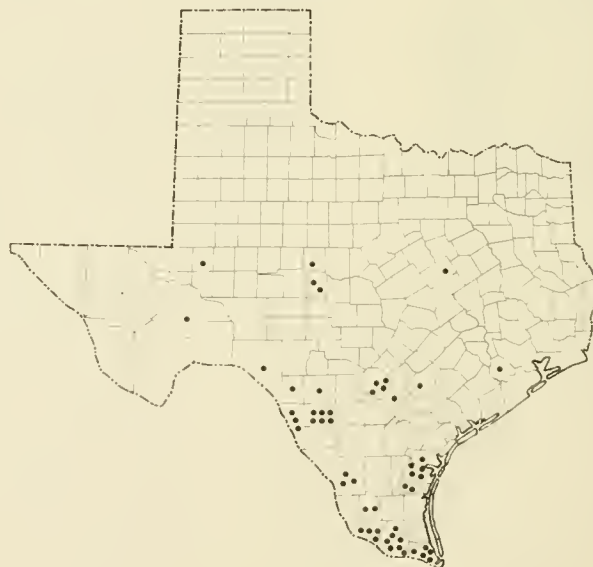
All of the 53 cases were in preschool age children except for one 7½-year-old child. Three cases occurred in Negro children, and most of the other cases have been in Caucasian children of Latin American origin. There have been two deaths.

Type I poliovirus has been implicated by viral studies in 25 of the 26 Texas cases studied to date; poliovirus studies were negative in one case. In 10 cases no laboratory specimens were obtained. Viral studies are pending in the remaining 17 cases.

Forty-two cases had never received any poliomyelitis vaccine. Only seven cases had ever received any type I oral vaccine prior to infection. Four of these cases had received a single dose of trivalent oral vaccine; one person was given the dose 3 days before onset. The remaining three cases had received one dose of monovalent type I oral vaccine; one was given the dose only one day prior to onset. In addition, one child had been given a primary series of inactivated vaccine.

Approximately 145,000 doses of trivalent poliomyelitis vaccine have been distributed by the Texas State

Figure 1  
CASES OF PARALYTIC POLIOMYELITIS BY COUNTY  
TEXAS, 1966



Department of Health for use for indigent persons residing in the 22 counties that have reported poliomyelitis cases this year. Mass poliomyelitis immunization campaigns have been conducted in Ector, Kleberg and Wilson counties, and pilot or demonstration programs in Nueces and Cameron counties. An intensive program has been initiated in Webb County. The Texas Medical Association has suggested to local medical societies that mass campaigns be conducted.

*(Reported by Dr. Van C. Tipton, State Epidemiologist, Texas State Department of Health.)*

SURVEILLANCE SUMMARY  
 BAT RABIES - January 1953 to June 1966  
 (Text on page 316)

Table 1: Bat Rabies in the U.S., by Month, 1953-1965

State	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	13-year Totals
Alabama					1		2	3	1				7
Alaska													0
Arizona	1		1	4	12	6	1	25	16	3	1		70
Arkansas				1		2	6	11	15	2			37
California	1	4	7	23	29	35	37	31	56	54	5	4	286
Colorado						7	13	7	5	2			34
Connecticut								1	1	1			3
Delaware							1	1					2
Florida	1	5	3	12	22	12	31	25	27	10	5	1	154
Georgia			1	5	3	1	3	9	8	4			34
Hawaii													0
Idaho						3	2	1	1				7
Illinois					2	3		2	6	3		1	17
Indiana				1				2	1				4
Iowa						1	2	4	7	1	1		16
Kansas						1	1	1	2				5
Kentucky							3	2	1				6
Louisiana		1	1				1	2	3				8
Maine								1	3	1			5
Maryland				<i>Cases Not Reported by Month</i>									30
Massachusetts			1			1	3	5	2			1	13
Michigan					1	2	1	8	1	4	3	1	21
Minnesota			2			1		3	2	4			12
Mississippi				1	3		3	38	52	5	6	1	109
Missouri				1				5	4	1			11
Montana					2	2	4	16	9	7		1	41
Nebraska								3					3
Nevada		1			1	2	2	11	7		1		25
New Hampshire					1	1		1	1				4
New Jersey	1		1	2	8	8	15	16	11	6	3		71
New Mexico				1	5	9	5	7	16	6	2		51
New York			2		5	9	12	13	8	6	1	2	58
North Carolina				1	2		2	4	3		1		13
North Dakota							1						1
Ohio			1	2	4	1	1	8	5	4	2	1	29
Oklahoma				<i>Cases Not Reported by Month</i>									43
Oregon	2	1		3	3	4	7	18	15	12	6		71
Pennsylvania	1				2	7	6	3	5		1		25
Rhode Island													0
South Carolina			1	1		1		2	1	3			9
South Dakota						1			1				2
Tennessee					6	16	6	21	15	4	1		69
Texas	1	2	9	21	31	20	37	47	51	35	10	3	267
Utah					1		1			1			3
Vermont							1						1
Virginia					1		1	2	6	2		1	13
Washington						4	4	6	29	8	1		52
West Virginia					1	1		1	1			1	5
Wisconsin		1			3	4	5	6	5	4		1	29
Wyoming								1					1
No. bats/month	8	15	30	79	149	165	220	373	403	193	50	19	
No. States reporting rabid bats/month	7	7	12	15	24	29	35	45	41	27	17	13	

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDED  
SEPTEMBER 10, 1966 AND SEPTEMBER 11, 1965 (36th WEEK)

AREA	ASEPTIC MENINGITIS		BRUCELLOSIS	ENCEPHALITIS			OIPHTHERIA		HEPATITIS		
				Primary including unsp. cases		Post- Infectious			Serum	Infectious	Both Types
	1966	1965		1966	1966	1965	1966	1966	1965	1966	1966
UNITED STATES...	139	55	1	69	49	12	7	8	14	437	495
NEW ENGLAND.....	14	1	-	1	-	2	1	-	-	18	28
Maine.....	-	-	-	-	-	-	-	-	-	2	4
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	4
Vermont.....	-	-	-	-	-	-	-	-	-	-	1
Massachusetts.....	6	-	-	-	-	1	1	-	-	7	11
Rhode Island.....	8	1	-	1	-	-	-	-	-	3	1
Connecticut.....	-	-	-	-	-	1	-	-	-	6	7
MIDDLE ATLANTIC.....	15	6	-	3	6	2	-	-	5	67	77
New York City.....	-	-	-	-	1	-	-	-	4	14	15
New York, Up-State.....	-	3	-	1	3	-	-	-	-	21	22
New Jersey.....	10	2	-	-	1	-	-	-	1	13	23
Pennsylvania.....	5	1	-	2	1	2	-	-	-	19	17
EAST NORTH CENTRAL...	12	7	-	21	12	3	-	-	1	69	85
Ohio.....	3	3	-	19	1	-	-	-	-	21	24
Indiana.....	-	-	-	-	8	-	-	-	-	6	6
Illinois.....	4	1	-	1	2	1	-	-	-	16	21
Michigan.....	5	3	-	-	1	2	-	-	1	19	33
Wisconsin.....	-	-	-	1	-	-	-	-	-	7	1
WEST NORTH CENTRAL...	7	18	-	18	20	1	-	-	-	38	30
Minnesota.....	5	13	-	1	-	1	-	-	-	4	-
Iowa.....	-	1	-	-	1	-	-	-	-	19	3
Missouri.....	-	4	-	1	2	-	-	-	-	13	10
North Dakota.....	2	-	-	1	10	-	-	-	-	2	1
South Dakota.....	-	-	-	2	-	-	-	-	-	-	-
Nebraska.....	-	-	-	1	-	-	-	-	-	-	5
Kansas.....	-	-	-	12	7	-	-	-	-	-	11
SOUTH ATLANTIC.....	15	5	1	5	3	1	3	-	3	59	66
Delaware.....	1	1	-	1	-	-	-	-	-	2	-
Maryland.....	-	-	-	-	-	-	-	-	-	10	7
Dist. of Columbia..	-	-	-	-	-	-	-	-	-	1	2
Virginia.....	3	2	1	3	1	1	-	-	1	18	29
West Virginia.....	8	-	-	-	-	-	-	-	-	4	3
North Carolina.....	2	1	-	-	1	-	-	-	2	12	7
South Carolina.....	-	-	-	-	-	-	3	-	-	1	4
Georgia.....	-	-	-	-	-	-	-	-	-	6	1
Florida.....	1	1	-	1	1	-	-	-	-	5	13
EAST SOUTH CENTRAL...	1	1	-	2	-	1	-	1	1	23	43
Kentucky.....	-	-	-	-	-	-	-	-	-	6	21
Tennessee.....	1	1	-	2	-	1	-	-	-	10	10
Alabama.....	-	-	-	-	-	-	-	-	1	3	10
Mississippi.....	-	-	-	-	-	-	-	1	-	4	2
WEST SOUTH CENTRAL...	41	6	-	9	-	-	3	4	1	34	41
Arkansas.....	-	-	-	-	-	-	-	-	-	5	4
Louisiana.....	4	2	-	3	-	-	3	-	1	5	7
Oklahoma.....	6	-	-	3	-	-	-	-	-	-	-
Texas.....	31	4	-	3	-	-	-	4	-	24	30
MOUNTAIN.....	-	-	-	4	6	-	-	-	-	16	17
Montana.....	-	-	-	2	5	-	-	-	-	1	6
Idaho.....	-	-	-	-	-	-	-	-	-	2	1
Wyoming.....	-	-	-	-	-	-	-	-	-	2	-
Colorado.....	-	-	-	1	-	-	-	-	-	1	1
New Mexico.....	-	-	-	1	1	-	-	-	-	8	1
Arizona.....	-	-	-	-	-	-	-	-	-	-	6
Utah.....	-	-	-	-	-	-	-	-	-	2	2
Nevada.....	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	34	11	-	6	2	2	-	3	3	113	108
Washington.....	3	2	-	1	1	-	-	2	-	9	14
Oregon.....	-	-	-	-	-	-	-	-	-	10	12
California.....	30	6	-	5	1	2	-	1	3	88	72
Alaska.....	-	-	-	-	-	-	-	-	-	6	10
Hawaii.....	1	3	-	-	-	-	-	-	-	-	-
Puerto Rico.....	-	-	-	-	-	-	-	1	-	15	28



CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDED  
SEPTEMBER 10, 1966 AND SEPTEMBER 11, 1965 (36th WEEK) - CONTINUED

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			POLIOMYELITIS				RUBELLA
	1966	Cumulative		1966	Cumulative		Total		Paralytic		
		1966	1965		1966	1965	1966	1965	1966	Cumulative 1966	
UNITED STATES...	410	189,083	239,590	25	2,697	2,291	4	2	4	65	156
NEW ENGLAND.....	7	2,250	36,754	-	118	114	-	-	-	-	10
Maine.....	2	198	2,790	-	9	16	-	-	-	-	3
New Hampshire.....	-	80	381	-	9	7	-	-	-	-	-
Vermont.....	1	232	1,257	-	4	6	-	-	-	-	-
Massachusetts.....	2	778	19,280	-	48	38	-	-	-	-	3
Rhode Island.....	-	72	3,899	-	13	14	-	-	-	-	-
Connecticut.....	2	890	9,147	-	35	33	-	-	-	-	4
MIDDLE ATLANTIC.....	9	17,986	14,695	4	322	300	-	-	-	-	7
New York City.....	4	8,278	2,359	-	45	51	-	-	-	-	5
New York, Up-State.....	3	2,528	4,119	2	91	86	-	-	-	-	2
New Jersey.....	1	1,846	2,547	-	97	79	-	-	-	-	-
Pennsylvania.....	1	5,334	5,670	2	89	84	-	-	-	-	-
EAST NORTH CENTRAL...	96	68,523	55,502	4	420	324	-	-	-	3	80
Ohio.....	2	6,335	8,861	2	115	86	-	-	-	-	5
Indiana.....	2	5,676	1,820	1	76	41	-	-	-	1	4
Illinois.....	6	11,338	2,677	-	77	91	-	-	-	2	10
Michigan.....	56	14,372	26,377	1	110	69	-	-	-	-	15
Wisconsin.....	30	30,802	15,767	-	42	37	-	-	-	-	46
WEST NORTH CENTRAL...	4	8,670	16,445	2	144	118	-	-	-	1	5
Minnesota.....	-	1,639	635	-	34	23	-	-	-	1	-
Iowa.....	2	5,305	8,978	-	22	8	-	-	-	-	4
Missouri.....	1	531	2,587	-	55	52	-	-	-	-	1
North Dakota.....	1	1,079	3,680	2	11	11	-	-	-	-	-
South Dakota.....	-	40	115	-	4	3	-	-	-	-	-
Nebraska.....	-	76	450	-	8	10	-	-	-	-	-
Kansas.....	NN	NN	NN	-	10	11	-	-	-	-	-
SOUTH ATLANTIC.....	60	15,184	24,776	6	454	442	-	-	-	1	18
Delaware.....	1	257	502	-	4	7	-	-	-	-	-
Maryland.....	7	2,103	1,157	-	46	42	-	-	-	-	1
Dist. of Columbia..	-	382	77	-	11	9	-	-	-	-	-
Virginia.....	25	2,163	4,055	2	51	51	-	-	-	-	5
West Virginia.....	22	5,232	13,606	2	27	24	-	-	-	-	4
North Carolina.....	3	482	385	1	115	89	-	-	-	-	-
South Carolina.....	1	656	1,010	1	48	58	-	-	-	-	-
Georgia.....	-	234	617	-	63	57	-	-	-	1	-
Florida.....	1	3,675	3,367	-	89	105	-	-	-	-	8
EAST SOUTH CENTRAL...	36	19,660	13,712	2	236	180	-	-	-	3	9
Kentucky.....	2	4,701	2,459	-	85	71	-	-	-	-	3
Tennessee.....	31	12,267	7,828	1	78	57	-	-	-	-	6
Alabama.....	3	1,681	2,311	1	51	32	-	-	-	1	-
Mississippi.....	-	1,011	1,114	-	22	20	-	-	-	2	-
WEST SOUTH CENTRAL...	90	24,416	30,746	4	371	305	3	1	3	54	-
Arkansas.....	-	971	1,084	2	35	14	-	-	-	-	-
Louisiana.....	-	99	104	-	137	169	-	-	-	1	-
Oklahoma.....	4	484	203	-	18	19	-	-	-	1	-
Texas.....	86	22,862	29,355	2	181	103	3	1	3	52	-
MOUNTAIN.....	27	11,926	19,649	-	85	72	-	-	-	-	11
Montana.....	4	1,812	3,711	-	4	2	-	-	-	-	6
Idaho.....	10	1,562	2,773	-	5	8	-	-	-	-	-
Wyoming.....	-	159	843	-	6	5	-	-	-	-	-
Colorado.....	11	1,310	5,620	-	46	14	-	-	-	-	4
New Mexico.....	2	1,132	677	-	10	11	-	-	-	-	-
Arizona.....	---	5,280	1,296	---	10	16	---	-	---	-	---
Utah.....	-	628	4,526	-	-	14	-	-	-	-	1
Nevada.....	-	43	203	-	4	2	-	-	-	-	-
PACIFIC.....	81	20,468	27,311	3	547	436	1	1	1	3	16
Washington.....	2	3,527	7,218	-	37	33	-	-	-	2	4
Oregon.....	24	1,770	3,213	-	34	32	-	1	-	-	10
California.....	22	14,534	12,919	3	457	346	1	-	1	1	-
Alaska.....	30	501	178	-	15	18	-	-	-	-	-
Hawaii.....	3	136	3,783	-	4	7	-	-	-	-	2
Puerto Rico.....	17	2,669	2,356	-	10	6	-	-	-	1	-

## Morbidity and Mortality Weekly Report

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
 FOR WEEKS ENDED  
 SEPTEMBER 10, 1966 AND SEPTEMBER 11, 1965 (36th WEEK) - CONTINUED

AREA	STREPTOCOCCAL SORE THROAT & SCARLET FEVER	TETANUS		TULAREMIA		TYPHOID		TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)		RABIES IN ANIMALS	
	1966	1966	Cum. 1966	1966	Cum. 1966	1966	Cum. 1966	1966	Cum. 1966	1966	Cum. 1966
UNITED STATES...	3,747	6	120	-	114	6	252	12	196	59	2,965
NEW ENGLAND.....	371	-	3	-	1	-	6	-	2	1	70
Maine.....	36	-	-	-	-	-	-	-	-	-	24
New Hampshire.....	4	-	-	-	-	-	-	-	-	1	24
Vermont.....	32	-	-	-	-	-	-	-	-	-	20
Massachusetts.....	25	-	2	-	1	-	3	-	1	-	2
Rhode Island.....	37	-	-	-	-	-	-	-	-	-	-
Connecticut.....	237	-	1	-	-	-	3	-	1	-	-
MIDDLE ATLANTIC.....	103	-	11	-	-	1	44	-	38	3	185
New York City.....	4	-	4	-	-	-	17	-	-	-	-
New York, Up-State.....	97	-	2	-	-	-	11	-	13	2	173
New Jersey.....	NN	-	1	-	-	-	7	-	10	-	-
Pennsylvania.....	2	-	4	-	-	1	9	-	15	1	12
EAST NORTH CENTRAL...	139	1	13	-	13	-	32	-	17	6	387
Ohio.....	18	-	4	-	3	-	16	-	9	4	184
Indiana.....	7	-	2	-	4	-	3	-	1	1	83
Illinois.....	43	-	3	-	5	-	3	-	7	1	49
Michigan.....	54	1	4	-	-	-	4	-	-	-	31
Wisconsin.....	17	-	-	-	1	-	6	-	-	-	40
WEST NORTH CENTRAL...	251	1	7	-	12	-	22	-	2	14	664
Minnesota.....	-	-	1	-	-	-	-	-	-	4	154
Iowa.....	60	-	1	-	-	-	5	-	-	4	136
Missouri.....	-	1	5	-	6	-	10	-	1	1	205
North Dakota.....	155	-	-	-	-	-	1	-	-	-	27
South Dakota.....	7	-	-	-	2	-	-	-	-	-	68
Nebraska.....	1	-	-	-	2	-	1	-	-	1	19
Kansas.....	28	-	-	-	2	-	5	-	1	4	55
SOUTH ATLANTIC.....	403	-	28	-	10	2	47	9	91	6	390
Delaware.....	11	-	-	-	-	-	1	1	2	-	-
Maryland.....	95	-	2	-	1	-	8	2	25	-	2
Dist. of Columbia..	-	-	-	-	-	-	2	-	-	-	-
Virginia.....	100	-	4	-	2	-	8	1	28	3	206
West Virginia.....	102	-	-	-	1	-	1	-	-	-	46
North Carolina.....	-	-	4	-	3	1	7	-	18	1	4
South Carolina.....	15	-	1	-	1	1	9	-	5	-	-
Georgia.....	5	-	7	-	2	-	2	5	13	1	81
Florida.....	75	-	10	-	-	-	9	-	-	1	51
EAST SOUTH CENTRAL...	896	1	14	-	20	2	28	2	35	4	390
Kentucky.....	69	1	2	-	3	-	3	1	8	4	85
Tennessee.....	635	-	2	-	10	2	14	1	21	-	276
Alabama.....	182	-	6	-	4	-	6	-	6	-	14
Mississippi.....	10	-	4	-	3	-	5	-	-	-	15
WEST SOUTH CENTRAL...	407	3	26	-	49	-	26	1	7	13	607
Arkansas.....	1	1	3	-	40	-	1	-	2	-	63
Louisiana.....	2	1	6	-	3	-	8	-	-	2	37
Oklahoma.....	16	1	2	-	4	-	9	-	4	4	156
Texas.....	388	-	15	-	2	-	8	1	1	7	351
MOUNTAIN.....	585	-	2	-	6	-	12	-	3	-	66
Montana.....	24	-	-	-	2	-	-	-	-	-	7
Idaho.....	31	-	-	-	-	-	-	-	-	-	-
Wyoming.....	13	-	-	-	-	-	-	-	-	-	-
Colorado.....	357	-	2	-	-	-	3	-	2	-	8
New Mexico.....	99	-	-	-	1	-	2	-	1	-	12
Arizona.....	---	---	-	---	1	---	3	---	-	---	34
Utah.....	61	-	-	-	2	-	3	-	-	-	1
Nevada.....	-	-	-	-	-	-	1	-	-	-	4
PACIFIC.....	592	-	16	-	3	1	35	-	1	12	206
Washington.....	49	-	-	-	-	-	11	-	-	1	11
Oregon.....	5	-	1	-	-	-	1	-	-	-	3
California.....	349	-	15	-	3	1	21	-	1	11	192
Alaska.....	70	-	-	-	-	-	-	-	-	-	-
Hawaii.....	119	-	-	-	-	-	2	-	-	-	-
Puerto Rico.....	1	1	34	-	-	1	8	-	-	1	12

## Morbidity and Mortality Weekly Report

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Week No.

DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED SEPTEMBER 10, 1966

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(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes	Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes
	All Ages	65 years and over				All Ages	65 years and over		
NEW ENGLAND:	690	385	24	38	SOUTH ATLANTIC:	1,102	551	46	94
Boston, Mass.-----	245	130	6	12	Atlanta, Ga.-----	108	44	4	16
Bridgeport, Conn.-----	44	32	3	1	Baltimore, Md.-----	226	100	8	12
Cambridge, Mass.-----	23	16	-	3	Charlotte, N. C.-----	46	21	-	4
Fall River, Mass.-----	26	17	-	-	Jacksonville, Fla.-----	50	25	-	5
Hartford, Conn.-----	56	25	1	10	Miami, Fla.-----	85	48	-	3
Lowell, Mass.-----	26	6	2	4	Norfolk, Va.-----	58	35	6	7
Lynn, Mass.-----	22	9	2	2	Richmond, Va.-----	84	39	2	5
New Bedford, Mass.-----	31	20	-	-	Savannah, Ga.-----	34	20	-	3
New Haven, Conn.-----	26	11	-	-	St. Petersburg, Fla.-----	94	68	6	5
Providence, R. I.-----	59	29	1	2	Tampa, Fla.-----	57	30	9	7
Somerville, Mass.-----	10	8	-	-	Washington, D. C.-----	213	101	8	21
Springfield, Mass.-----	40	31	4	-	Wilmington, Del.-----	46	20	3	6
Waterbury, Conn.-----	29	18	1	-					
Worcester, Mass.-----	53	33	4	4	EAST SOUTH CENTRAL:	476	211	26	30
MIDDLE ATLANTIC:	2,940	1,708	118	150	Birmingham, Ala.-----	59	26	1	3
Albany, N. Y.-----	51	26	-	3	Chattanooga, Tenn.-----	32	17	1	2
Allentown, Pa.-----	24	16	4	1	Knoxville, Tenn.-----	31	16	-	-
Buffalo, N. Y.-----	133	75	5	6	Louisville, Ky.-----	105	27	8	9
Camden, N. J.-----	50	31	2	3	Memphis, Tenn.-----	87	38	2	9
Elizabeth, N. J.-----	31	18	1	1	Mobile, Ala.-----	40	17	2	2
Erie, Pa.-----	35	22	1	1	Montgomery, Ala.-----	21	12	2	-
Jersey City, N. J.-----	66	43	7	5	Nashville, Tenn.-----	101	58	10	5
Newark, N. J.-----	62	32	5	5	WEST SOUTH CENTRAL:	1,023	516	20	72
New York City, N. Y.-----	1,476	846	59	64	Austin, Tex.-----	41	24	3	-
Paterson, N. J.-----	38	18	3	4	Baton Rouge, La.-----	32	17	1	3
Philadelphia, Pa.-----	432	258	6	25	Corpus Christi, Tex.-----	17	13	-	1
Pittsburgh, Pa.-----	180	99	3	6	Dallas, Tex.-----	145	64	4	12
Reading, Pa.-----	48	32	4	2	El Paso, Tex.-----	36	16	1	3
Rochester, N. Y.-----	92	60	7	7	Fort Worth, Tex.-----	80	39	-	4
Schenectady, N. Y.-----	26	15	-	4	Houston, Tex.-----	178	87	-	14
Scranton, Pa.-----	44	28	3	2	Little Rock, Ark.-----	38	15	-	4
Syracuse, N. Y.-----	47	27	1	4	New Orleans, La.-----	169	77	3	15
Trenton, N. J.-----	44	24	2	4	Oklahoma City, Okla.-----	87	53	1	4
Utica, N. Y.-----	18	14	2	1	San Antonio, Tex.-----	103	58	1	6
Yonkers, N. Y.-----	43	24	3	2	Shreveport, La.-----	37	18	5	4
					Tulsa, Okla.-----	60	35	1	2
EAST NORTH CENTRAL:	2,417	1,329	83	134	MOUNTAIN:	372	215	21	26
Akron, Ohio-----	58	38	-	4	Albuquerque, N. Mex.-----	36	20	4	4
Canton, Ohio-----	27	19	3	1	Colorado Springs, Colo.-----	16	11	1	2
Chicago, Ill.-----	728	362	35	43	Denver, Colo.-----	105	68	5	5
Cincinnati, Ohio-----	144	86	6	6	Ogden, Utah-----	16	10	-	1
Cleveland, Ohio-----	163	89	3	5	Phoenix, Ariz.-----	85	45	8	9
Columbus, Ohio-----	124	68	3	6	Pueblo, Colo.-----	28	16	2	-
Dayton, Ohio-----	67	36	-	6	Salt Lake City, Utah-----	49	26	1	3
Detroit, Mich.-----	358	190	6	15	Tucson, Ariz.-----	37	19	-	2
Evansville, Ind.-----	41	28	2	3	PACIFIC:	1,040	637	18	35
Flint, Mich.-----	38	14	3	-	Berkeley, Calif.-----	12	9	-	-
Fort Wayne, Ind.-----	34	17	2	4	Fresno, Calif.-----	40	18	1	3
Gary, Ind.-----	34	24	1	-	Glendale, Calif.-----	21	16	-	1
Grand Rapids, Mich.-----	54	39	6	3	Honolulu, Hawaii-----	44	18	-	1
Indianapolis, Ind.-----	152	81	3	14	Long Beach, Calif.-----	42	30	-	1
Madison, Wis.-----	35	16	1	6	Los Angeles, Calif.-----	264	170	4	9
Milwaukee, Wis.-----	115	66	1	5	Oakland, Calif.-----	40	23	1	3
Peoria, Ill.-----	36	23	-	-	Pasadena, Calif.-----	25	19	-	1
Rockford, Ill.-----	34	22	1	6	Portland, Oreg.-----	79	47	1	1
South Bend, Ind.-----	24	19	1	1	Sacramento, Calif.-----	56	32	-	-
Toledo, Ohio-----	102	64	6	5	San Diego, Calif.-----	62	32	1	2
Youngstown, Ohio-----	49	28	-	1	San Francisco, Calif.-----	138	83	7	4
WEST NORTH CENTRAL:	767	468	20	37	San Jose, Calif.-----	33	17	1	1
Des Moines, Iowa-----	52	39	-	3	Seattle, Wash.-----	124	81	2	4
Duluth, Minn.-----	21	14	1	-	Spokane, Wash.-----	32	21	-	1
Kansas City, Kans.-----	35	17	1	3	Tacoma, Wash.-----	28	21	-	3
Kansas City, Mo.-----	130	76	5	6					
Lincoln, Nebr.-----	21	19	2	-	Total	10,827	6,020	376	616
Minneapolis, Minn.-----	108	62	3	7	Cumulative Totals				
Omaha, Nebr.-----	64	41	1	-	including reported corrections for previous weeks				
St. Louis, Mo.-----	231	126	3	11	All Causes, All Ages-----	455,599			
St. Paul, Minn.-----	67	49	-	4	All Causes, Age 65 and over-----	261,673			
Wichita, Kans.-----	38	25	4	3	Pneumonia and Influenza, All Ages-----	19,480			
					All Causes, Under 1 Year of Age-----	24,109			

## BAT RABIES - (Continued from page 311)

Eight cases of bat rabies were reported in the U.S. during the first quarter of 1966, followed by 88 cases in the second quarter. This sharp rise in the second quarter of 1966 corresponds to data accumulated over the past 13 years. In Table 1, which presents the reported cases of bat rabies in the U.S. by month from 1953-1965, a seasonal increase in incidence during the summer months is evident. The months of lowest incidence are December through March, followed by a build-up from April through July with peak occurrence in August and September.

This summer increase in bat rabies can be associated with the increase in bat populations during this season. This build-up is probably due to the return of migratory bats from tropical areas, to the arousal of hibernating bats, and to the new population of bats born in May, June, and early July. It is not known how these newborn bats become infected with rabies.

(Reported by the Rabies Control Unit, Veterinary Section, Epidemiology Branch, CDC.)

**Editorial Note:**

Any person bitten by a bat should be considered as having been exposed to a rabid animal. Treatment recommended for exposure to any rabid animal is discussed in the WHO guide for Rabies Post-Exposure Treatment.<sup>1</sup>

**Reference:**

<sup>1</sup>WHO Expert Committee on Rabies, Fifth Report, 1966, WHO Technical Report Series No. 321.

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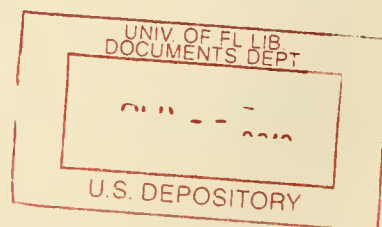
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IN ADDITION TO THE ESTABLISHED PROCEDURES FOR REPORTING MORBIDITY AND MORTALITY, THE COMMUNICABLE DISEASE CENTER WELCOMES ACCOUNTS OF INTERESTING OUTBREAKS OR CASE INVESTIGATIONS WHICH ARE OF CURRENT INTEREST TO HEALTH OFFICIALS AND WHICH ARE DIRECTLY RELATED TO THE CONTROL OF COMMUNICABLE DISEASES. SUCH COMMUNICATIONS SHOULD BE ADDRESSED TO:

THE EDITOR  
MORBIDITY AND MORTALITY WEEKLY REPORT  
COMMUNICABLE DISEASE CENTER  
ATLANTA, GEORGIA 30333

NOTE: THE DATA IN THIS REPORT ARE PROVISIONAL AND ARE BASED ON WEEKLY TELEGRAMS TO THE CDC BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS. THE REPORTING WEEK CONCLUDES ON SATURDAY; COMPILED DATA ON A NATIONAL BASIS ARE RELEASED ON THE SUCCEEDING FRIDAY.

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